

```
=> file home
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FILE 'HOME' ENTERED AT 15:14:15 ON 16 JUN 2004
```

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=> display history full 11-
```

```
FILE 'REGISTRY' ENTERED AT 13:08:06 ON 16 JUN 2004
```

```
    E YTTRIA/CN
```

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L1      1 SEA YTTRIA/CN
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    E ALUMINUM OXIDE/CN
```

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L2      1 SEA "ALUMINUM OXIDE"/CN
```

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FILE 'HCA, WPIX, JAPIO' ENTERED AT 13:17:06 ON 16 JUN 2004
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L3      66941 SEA NANOCOMPOSIT? OR NANOSCAL? OR NANOSTRUCTUR? OR  
    NANOSIZ? OR NANOMIX? OR NANOPARTICL? OR NANOPARTICULAT?  
    OR NANOGRAIN? OR NANO(A) (COMPOSIT? OR SCALE# OR SCALING#  
    OR STRUCTUR? OR SIZE# OR SIZING# OR MIX? OR PARTICL? OR  
    PARTICULAT? OR GRAIN?)
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L4      5075 SEA NANOCOMPOSIT? OR NANOSCAL? OR NANOSTRUCTUR? OR  
    NANOSIZ? OR NANOMIX? OR NANOPARTICL? OR NANOPARTICULAT?  
    OR NANOGRAIN? OR NANO(A) (COMPOSIT? OR SCALE# OR SCALING#  
    OR STRUCTUR? OR SIZE# OR SIZING# OR MIX? OR PARTICL? OR  
    PARTICULAT? OR GRAIN?)
```

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L5      612 SEA NANOCOMPOSIT? OR NANOSCAL? OR NANOSTRUCTUR? OR  
    NANOSIZ? OR NANOMIX? OR NANOPARTICL? OR NANOPARTICULAT?  
    OR NANOGRAIN? OR NANO(A) (COMPOSIT? OR SCALE# OR SCALING#  
    OR STRUCTUR? OR SIZE# OR SIZING# OR MIX? OR PARTICL? OR  
    PARTICULAT? OR GRAIN?)
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TOTAL FOR ALL FILES
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L6      72628 SEA NANOCOMPOSIT? OR NANOSCAL? OR NANOSTRUCTUR? OR  
    NANOSIZ? OR NANOMIX? OR NANOPARTICL? OR NANOPARTICULAT?  
    OR NANOGRAIN? OR NANO(A) (COMPOSIT? OR SCALE# OR SCALING#  
    OR STRUCTUR? OR SIZE# OR SIZING# OR MIX? OR PARTICL? OR  
    PARTICULAT? OR GRAIN?)
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L7      2471 SEA STEEL?(3A) (MATRIX? OR MATRICE? OR LATTIC? OR  
    SUPERLATTIC?)
```

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L8      1214 SEA STEEL?(3A) (MATRIX? OR MATRICE? OR LATTIC? OR  
    SUPERLATTIC?)
```

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L9      299 SEA STEEL?(3A) (MATRIX? OR MATRICE? OR LATTIC? OR  
    SUPERLATTIC?)
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TOTAL FOR ALL FILES
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L10     3984 SEA STEEL?(3A) (MATRIX? OR MATRICE? OR LATTIC? OR  
    SUPERLATTIC?)
```

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L11     18870 SEA (ALUMINUM# OR ALUMINIUM# OR AL) (3A) (MATRIX? OR  
    MATRICE? OR LATTIC? OR SUPERLATTIC?)
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L12     2474 SEA (ALUMINUM# OR ALUMINIUM# OR AL) (3A) (MATRIX? OR  
    MATRICE? OR LATTIC? OR SUPERLATTIC?)
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L13     1153 SEA (ALUMINUM# OR ALUMINIUM# OR AL) (3A) (MATRIX? OR
```

MATRICE? OR LATTIC? OR SUPERLATTIC?)

TOTAL FOR ALL FILES

L14 22497 SEA (ALUMINUM# OR ALUMINIUM# OR AL) (3A) (MATRIX? OR
MATRICE? OR LATTIC? OR SUPERLATTIC?)L15 98030 SEA L1 OR (YTTRIUM# OR Y) (W) (OXIDE# OR TRIOXIDE#) OR
YTTRIA# OR Y2O3L16 8974 SEA L1 OR (YTTRIUM# OR Y) (W) (OXIDE# OR TRIOXIDE#) OR
YTTRIA# OR Y2O3L17 1746 SEA L1 OR (YTTRIUM# OR Y) (W) (OXIDE# OR TRIOXIDE#) OR
YTTRIA# OR Y2O3

TOTAL FOR ALL FILES

L18 108750 SEA L1 OR (YTTRIUM# OR Y) (W) (OXIDE# OR TRIOXIDE#) OR
YTTRIA# OR Y2O3L19 463108 SEA L2 OR (ALUMINUM# OR ALUMINIUM# OR AL) (W) (OXIDE# OR
TRIOXIDE#) OR ALUMINA# OR AL2O3L20 134925 SEA L2 OR (ALUMINUM# OR ALUMINIUM# OR AL) (W) (OXIDE# OR
TRIOXIDE#) OR ALUMINA# OR AL2O3L21 40112 SEA L2 OR (ALUMINUM# OR ALUMINIUM# OR AL) (W) (OXIDE# OR
TRIOXIDE#) OR ALUMINA# OR AL2O3

TOTAL FOR ALL FILES

L22 638145 SEA L2 OR (ALUMINUM# OR ALUMINIUM# OR AL) (W) (OXIDE# OR
TRIOXIDE#) OR ALUMINA# OR AL2O3L23 3961 SEA (MOLTEN? OR MELT? OR FUSE# OR FUSING# OR FUSION? OR
LIQUEF? OR LIQUIF? OR FLUIF? OR FLUEF?) (3A) (MATRIX? OR
MATRICE? OR LATTIC? OR SUPERLATTIC?)L24 1989 SEA (MOLTEN? OR MELT? OR FUSE# OR FUSING# OR FUSION? OR
LIQUEF? OR LIQUIF? OR FLUIF? OR FLUEF?) (3A) (MATRIX? OR
MATRICE? OR LATTIC? OR SUPERLATTIC?)L25 599 SEA (MOLTEN? OR MELT? OR FUSE# OR FUSING# OR FUSION? OR
LIQUEF? OR LIQUIF? OR FLUIF? OR FLUEF?) (3A) (MATRIX? OR
MATRICE? OR LATTIC? OR SUPERLATTIC?)

TOTAL FOR ALL FILES

L26 6549 SEA (MOLTEN? OR MELT? OR FUSE# OR FUSING# OR FUSION? OR
LIQUEF? OR LIQUIF? OR FLUIF? OR FLUEF?) (3A) (MATRIX? OR
MATRICE? OR LATTIC? OR SUPERLATTIC?)L27 106220 SEA ULTRASOUND? OR ULTRASON? OR SONICAT? OR ULTRA(2A) (SOU
ND? OR SONIC?)L28 78324 SEA ULTRASOUND? OR ULTRASON? OR SONICAT? OR ULTRA(2A) (SOU
ND? OR SONIC?)L29 53219 SEA ULTRASOUND? OR ULTRASON? OR SONICAT? OR ULTRA(2A) (SOU
ND? OR SONIC?)

TOTAL FOR ALL FILES

L30 237763 SEA ULTRASOUND? OR ULTRASON? OR SONICAT? OR ULTRA(2A) (SOU
ND? OR SONIC?)

L31 1030 SEA L3 AND L27

L32 156 SEA L4 AND L28

L33 9 SEA L5 AND L29

TOTAL FOR ALL FILES

L34 1195 SEA L6 AND L30
L35 0 SEA L31 AND L7
L36 0 SEA L32 AND L8
L37 0 SEA L33 AND L9
TOTAL FOR ALL FILES
L38 0 SEA L34 AND L10
L39 2 SEA L31 AND L11
L40 0 SEA L32 AND L12
L41 0 SEA L33 AND L13
TOTAL FOR ALL FILES
L42 2 SEA L34 AND L14
L43 37 SEA L31 AND L15
L44 1 SEA L32 AND L16
L45 0 SEA L33 AND L17
TOTAL FOR ALL FILES
L46 38 SEA L34 AND L18
L47 82 SEA L31 AND L19
L48 11 SEA L32 AND L20
L49 0 SEA L33 AND L21
TOTAL FOR ALL FILES
L50 93 SEA L34 AND L22
L51 4 SEA L31 AND L23
L52 2 SEA L32 AND L24
L53 0 SEA L33 AND L25
TOTAL FOR ALL FILES
L54 6 SEA L34 AND L26

FILE 'HCA, WPIX, JAPIO' ENTERED AT 14:53:51 ON 16 JUN 2004
L55 2129 SEA DISPERS? (2A) L3
L56 326 SEA DISPERS? (2A) L4
L57 47 SEA DISPERS? (2A) L5
TOTAL FOR ALL FILES
L58 2502 SEA DISPERS? (2A) L6
L59 101 SEA L31 AND L55
L60 14 SEA L32 AND L56
L61 2 SEA L33 AND L57
TOTAL FOR ALL FILES
L62 117 SEA L34 AND L58
L63 2 SEA L59 AND L43
L64 0 SEA L60 AND L44
L65 0 SEA L61 AND L45
TOTAL FOR ALL FILES
L66 2 SEA L62 AND L46
L67 12 SEA L59 AND L47
L68 2 SEA L60 AND L48
L69 0 SEA L61 AND L49
TOTAL FOR ALL FILES
L70 14 SEA L62 AND L50

L71 396346 SEA (SURFACT? OR BIOSURFACT? OR HYDROTROP? OR DETERG? OR ABSTERG? OR (SURFACE(W) ACTIVE# OR WETTING#) (A) (AGENT? OR ADDITIVE? OR COMPOUND? OR COMPD# OR CMPD# OR CPD#) OR EMULSIFIER? OR DISPERSANT? OR SOAP?)/BI,AB

L72 190448 SEA (SURFACT? OR BIOSURFACT? OR HYDROTROP? OR DETERG? OR ABSTERG? OR (SURFACE(W) ACTIVE# OR WETTING#) (A) (AGENT? OR ADDITIVE? OR COMPOUND? OR COMPD# OR CMPD# OR CPD#) OR EMULSIFIER? OR DISPERSANT? OR SOAP?)/BI,AB

L73 60335 SEA (SURFACT? OR BIOSURFACT? OR HYDROTROP? OR DETERG? OR ABSTERG? OR (SURFACE(W) ACTIVE# OR WETTING#) (A) (AGENT? OR ADDITIVE? OR COMPOUND? OR COMPD# OR CMPD# OR CPD#) OR EMULSIFIER? OR DISPERSANT? OR SOAP?)/BI,AB

TOTAL FOR ALL FILES

L74 647129 SEA (SURFACT? OR BIOSURFACT? OR HYDROTROP? OR DETERG? OR ABSTERG? OR (SURFACE(W) ACTIVE# OR WETTING#) (A) (AGENT? OR ADDITIVE? OR COMPOUND? OR COMPD# OR CMPD# OR CPD#) OR EMULSIFIER? OR DISPERSANT? OR SOAP?)/BI,AB

L75 143 SEA L31 AND L71

L76 39 SEA L32 AND L72

L77 4 SEA L33 AND L73

TOTAL FOR ALL FILES

L78 186 SEA L34 AND L74

L79 35 SEA L75 AND (L7 OR L11 OR L15 OR L19 OR L23 OR L55)

L80 4 SEA L76 AND (L8 OR L12 OR L16 OR L20 OR L24 OR L56)

L81 0 SEA L77 AND (L9 OR L13 OR L17 OR L21 OR L25 OR L57)

TOTAL FOR ALL FILES

L82 39 SEA L78 AND (L10 OR L14 OR L18 OR L22 OR L26 OR L58)

L83 0 SEA L75 AND L7

L84 0 SEA L76 AND L8

L85 0 SEA L77 AND L9

TOTAL FOR ALL FILES

L86 0 SEA L78 AND L10

L87 0 SEA L75 AND L11

L88 0 SEA L76 AND L12

L89 0 SEA L77 AND L13

TOTAL FOR ALL FILES

L90 0 SEA L78 AND L14

L91 5 SEA L75 AND L15

L92 0 SEA L76 AND L16

L93 0 SEA L77 AND L17

TOTAL FOR ALL FILES

L94 5 SEA L78 AND L18

L95 10 SEA L75 AND L19

L96 1 SEA L76 AND L20

L97 0 SEA L77 AND L21

TOTAL FOR ALL FILES

L98 11 SEA L78 AND L22

L99 0 SEA L75 AND L23

L100 0 SEA L76 AND L24
 L101 0 SEA L77 AND L25
 TOTAL FOR ALL FILES
 L102 0 SEA L78 AND L26
 L103 25 SEA L75 AND L55
 L104 4 SEA L76 AND L56
 L105 0 SEA L77 AND L57
 TOTAL FOR ALL FILES
 L106 29 SEA L78 AND L58

FILE 'HCA' ENTERED AT 15:07:34 ON 16 JUN 2004
 L107 11 SEA L39 OR L51 OR L63 OR L91
 L108 17 SEA (L67 OR L95) NOT L107

FILE 'WPIX' ENTERED AT 15:09:03 ON 16 JUN 2004
 L109 8 SEA L44 OR L52 OR L68 OR L80 OR L96 OR L104
 L110 17 SEA (L48 OR L60) NOT L109

FILE 'JAPIO' ENTERED AT 15:11:01 ON 16 JUN 2004
 L111 9 SEA L33 OR L61 OR L77

=> file japi
 FILE 'JAPIO' ENTERED AT 15:16:20 ON 16 JUN 2004
 COPYRIGHT (C) 2004 Japanese Patent Office (JPO) - JAPIO

FILE LAST UPDATED: 11 JUN 2004 <20040611/UP>
 FILE COVERS APR 1973 TO FEBRUARY 26, 2004

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L111 ANSWER 1 OF 9 JAPIO (C) 2004 JPO on STN
 ACCESSION NUMBER: 2003-286016 JAPIO
 TITLE: METHOD FOR MANUFACTURING PURIFIED CARBON TUBE
 ENCAPSULATING METAL
 INVENTOR: NISHINO HITOSHI; NISHIDA RYOICHI; MIYAYASU
 ATSUSHI
 PATENT ASSIGNEE(S): OSAKA GAS CO LTD
 PATENT INFORMATION:

PATENT NO	KIND	DATE	ERA	MAIN IPC
JP 2003286016	A	20031007	Heisei	C01B031-02

APPLICATION INFORMATION

STN FORMAT:	JP 2002-89727	20020327
ORIGINAL:	JP2002089727	Heisei